

Application No. 10/636,138

Attorney Docket No. CL-1049 US CNT

Amendments to the Claims

The "Listing of Claims" replaces all prior versions of the claims in the application.

Listing of Claims:

1-8. (Cancelled).

9-12. (Cancelled).

13-18. (Cancelled).

19. (Currently Amended) A method for making a multi-layer cathode backplate structure, comprising the steps of:

providing a substrate;

forming a cathode electrode by depositing a layer of an electrical conductor onto the substrate;

selectively printing a layer of thick film dielectric material onto the cathode electrode;

drying the thick film dielectric material;

selectively printing a layer of imaging paste onto the layer of dielectric material;

developing drying the layer of dielectric material into which the imaging paste is diffused to remove unexposed portions of the dielectric material and to leave exposed portions of the cathode electrode, wherein a plurality of cathode electrodes separated by a dielectric material are formed;

firing the structure; and

depositing a field emitter material onto at least a portion of the plurality of cathode electrodes.

20. (New) The method of Claim 19, wherein the step of selectively printing a layer of dielectric material comprises screen printing.

21. (New) The method of Claim 19, wherein the step of selectively printing a layer of imaging paste comprises screen printing.

22. (New) The method of Claim 19, wherein the step of developing is aqueous-based.

23. (New) The method of Claim 23, wherein the field emitter material comprises a precursor field emitter material.

24. (New) A display panel including a cathode backplate structure formed according to Claim 19.